

Converting Colors

XYZ(32.8253, 38.1023, 23.1455)

Have a look what the booklet for
XYZ(32.8253, 38.1023, 23.1455)
contains.

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Color

**XYZ(32.7930, 38.1391,
23.0860)**

Conversions

Conversions Part 1

Format	Color
Hex	A2AB77
RGB	162, 171, 119
RGB Percent	64%, 67%, 47%
CMY	0.3647, 0.3294, 0.5333
CMYK	0.05, 0.00, 0.30, 0.33
HSL	70°, 24%, 57%
HSV	70°, 30%, 67%
XYZ	32.7930, 38.1391, 23.0860
YIQ	162.3810, 11.3280, -18.0800

Conversions

Conversions Part 2

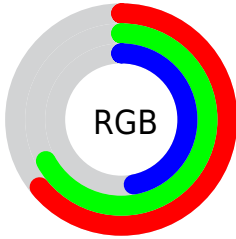
Format	Color
RYB	119, 171, 128
Decimal	10660727
CIELab	68.12, -11.91, 25.78
CIElCh	68, 28.400, 114.803
Yxy	38.1391, 0.3488, 0.4057
Android (android.graphics.Color)	4288850807 (0xFFA2AB77)
YUV	162.3810, -21.3868, -0.3341
Hunter-Lab	61.7569, -13.2907, 21.0660

Details

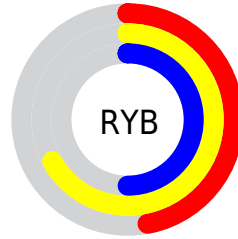
The XYZ color **32.7930, 38.1391, 23.0860** is a light color, and the websafe version is hex **999966**. A complement of this color would be **22.8511, 20.7241, 41.3260**, and the grayscale version is **34.6157, 36.4185, 39.6597**.

A 20% lighter version of the original color is **63.2580, 72.1230, 49.6168**, and **14.1327, 16.9508, 8.3213** is the 20% darker color. If you saturate the color by 10%, you get **31.2630, 37.4598, 18.1275**, and if you desaturate by 10%, it is **34.5239, 38.9031, 29.0201**.

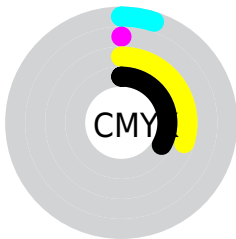
Distribution



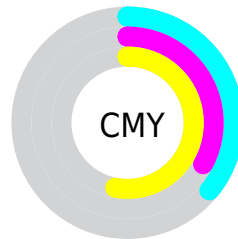
- Red (64%)
- Green (67%)
- Blue (47%)



- Red (47%)
- Yellow (67%)
- Blue (50%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7930, 38.1391, 23.0860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.7930, 38.1391, 23.0860 by changing the saturation by 10% instead.

■ 32.7930, 38.1391,
23.0860

■ 32.7930, 38.1391,
23.0860

306.3975,
338.2163, 281.3026

■ 22.1264, 26.0907,
14.4511

■ 63.4091, 72.3213,
49.4595

■ 14.0669, 16.8915,
8.2928

■ 84.0892, 95.2238,
68.0352

■ 8.2492, 10.1571,
4.1924

■ 108.8379,
122.5132, 90.7616

■ 4.3080, 5.5033,
1.7315

138.0206,
154.5738, 118.0572

■ 1.8778, 2.5455,
0.3822

172.0025,
191.7900, 150.3405

■ 0.5639, 0.8993,
0.0000

211.1491,

■ 0.0000, 0.0000,

234.5462, 188.0302

0.0000

255.8256,
283.2269, 231.5447

■ 32.7930, 38.1391,
23.0860

■ 32.7930, 38.1391,
23.0860

■ 31.2630, 37.4598,
18.1275

■ 34.5239, 38.9031,
29.0201

■ 29.9211, 36.8559,
14.0898

■ 36.4621, 39.7503,
35.9756

■ 28.7571, 36.3249,
10.9168

■ 38.6172, 40.6860,
43.9985

■ 27.7591, 35.8619,
8.5449

■ 40.9974, 41.7133,
53.1312

■ 26.9132, 35.4613,
6.9020

■ 43.6103, 42.8354,
63.4137

■ 26.2031, 35.1166,
5.9031

■ 46.4633, 44.0553,
74.8842

■ 25.6157, 34.8249,
5.3718

■ 49.5634, 45.3757,
87.5790

■ 52.7874, 46.7473,
100.8487

■ 53.5127, 47.1212,
100.8826

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0271, 38.1391, 21.6627



32.7930, 38.1391, 23.0860



29.7256, 38.1391, 28.9938

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.7930, 38.1391, 23.0860



31.5589, 38.1391, 64.8210



45.4116, 38.1391, 43.7760

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.7930, 38.1391, 23.0860



22.8511, 20.7241, 41.3260

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



43.6655, 38.1391, 57.2340



32.7930, 38.1391, 23.0860



35.4840, 38.1391, 70.8660

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.7930, 38.1391, 23.0860



29.0548, 38.1391, 52.6239



39.9419, 38.1391, 67.8399



44.5448, 38.1391, 32.1112

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.7930, 38.1391, 23.0860



28.6359, 38.1391, 35.4551



39.9419, 38.1391, 67.8399



45.1068, 38.1391, 48.2554

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.7940, 38.1408, 23.0868



65.7594, 71.3877, 66.1181



27.8014, 25.3425, 20.8796



14.5479, 15.8689, 14.3168



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.7940, 38.1408, 23.0868



56.9813, 67.5285, 35.6160



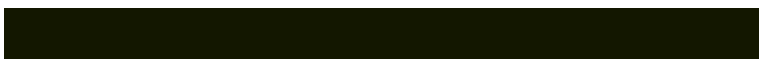
28.1016, 35.7218, 22.8672



8.5246, 9.2590, 8.5512



19.3485, 26.2716, 4.0512



0.5735, 0.7490, 0.1143

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.8511, 20.7241, 41.3260



36.5093, 31.6563, 73.1879



27.2118, 22.9722, 41.5300



7.7034, 7.8214, 10.0564



5.9686, 2.4368, 29.2003



0.2039, 0.0873, 0.8141

Previews

White Background



This preview shows how the XYZ color 32.7930, 38.1391, 23.0860 looks on a white background.

Color Contrast Check

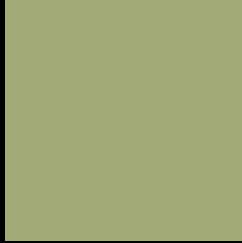
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.7930, 38.1391, 23.0860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

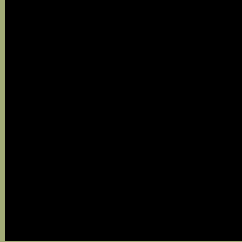
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.7930, 38.1391, 23.0860

Background



This preview shows how black text looks on a background with the XYZ color 32.7930, 38.1391, 23.0860.



This preview shows how white text looks on a background with the XYZ color 32.7930, 38.1391,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.7930, 38.1391, 23.0860

Protanopia

35.4375, 38.1405, 22.3237

Deuteranopia

38.6759, 37.9372, 23.6965



Tritanopia

37.7888, 38.2713, 46.9904

Trichromacy



Original Color

32.7930, 38.1391, 23.0860

Protanomaly

34.5062, 38.1975, 22.6937

Deuteranomaly

36.3155, 37.7652, 23.4645

Tritanomaly

35.7558, 38.2532, 36.9516

Monochromacy



Original Color

32.7930, 38.1391, 23.0860

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5437, 36.6670, 32.5036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7930, 38.1391, 23.0860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(162, 171, 119)` looks like.

```
.text, #text, p{  
    color:rgb(162, 171, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(162, 171, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 171, 119) }
```

Border

The CSS property to change the border of an element to XYZ 32.7930, 38.1391, 23.0860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 171, 119) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(162, 171, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(162, 171, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 171, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 171, 119);  
box-shadow:4px 4px 4px 4px rgb(162, 171,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7930, 38.1391, 23.0860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 171, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(162,  
171, 119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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